

## Pruebas de Junit

A continuación, se muestran las pruebas de Junit para insertar y buscar asociaciones en el árbol:

```
17 public void add() {
18     BinaryTree<String> binaryTree = new BinaryTree<>();
19     // The binary tree contains only one element
20     binaryTree.add("This is a test");
21     // As it only contains one element, its root value should be the added String
22     assertEquals(binaryTree.getRoot().value, "This is a test");
23
24     // By adding new elements, we can confirm they are in the tree
25     binaryTree.add("New element");
26     assertTrue(binaryTree.containsValue("New element"));
27 }
28
29 /**
30  * Test to see if searching values in the tree is working
31  */
32 @org.junit.Test
33 public void containsValue() {
34     BinaryTree<String> binaryTree = new BinaryTree<>();
35     // We add the original tree elements
36     binaryTree.add("(cat, gato)");
37     binaryTree.add("(computer, computadora)");
38
39     // The added values should be in the tree
40     assertTrue(binaryTree.containsValue("(cat, gato)"));
41     assertTrue(binaryTree.containsValue("(computer, computadora)"));
42
43     // This value is not in the tree
44     assertFalse(binaryTree.containsValue("This value is not on the tree"));
45 }
46 }
```

BinaryTreeTest

Run: BinaryTreeTest x

Tests passed: 2 of 2 tests – 0 ms

Test	Duration	Message
BinaryTreeTest	0 ms	"D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2019.3.1\jbr
containsValue	0 ms	
add	0 ms	Process finished with exit code 0

4: Run 5: Debug 6: TODO Terminal

Tests passed: 2 (a minute ago)